



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

Solid Waste Section

September 4, 2015

Mr. Ronnie Petty
A-1 Sandrock, Inc.
2091 Bishop Road
Greensboro, NC 27406

RE: Technical review and approval of Design Hydrogeologic Report,
Water Quality Monitoring Plan, and Landfill Gas Monitoring Plan
A-1 Sandrock C&D Landfill – Phase 2
Permit No. 4117-CDLF-2008
Document ID No. 24941

Dear Mr. Petty:

The NC SWS has completed a technical review of the Design Hydrogeologic Report (DHR), Water Quality Monitoring Plan (WQMP) and Landfill Gas Monitoring Plan (LFGMP) submitted as part of the Permit to Construct Application for Phase 2 at the A-1 Sandrock C&D Landfill. Initially, the Design Hydrogeologic Report and Monitoring Plans from the 2002 PTC application were reviewed and determined to be inadequate due to the revised Phase 2 boundary. A technical review letter (DIN 23911) was emailed from the NC SWS on March 5, 2015 with requests for additional information. After multiple revisions, a September 4, 2015 final version of the Design Hydro Report, WQMP, and LFGMP for the new boundary of Phase 2 at the A-1 Sandrock CDLF are approved and the final electronic copies of the DHR (DIN 24938), WQMP (DIN24939), and LFGMP (DIN 24940) can be found on the NC SWS Documentum database.

The permitted groundwater monitoring well network at the A-1 Sandrock C&D Landfill – Phase 2 consists of the existing groundwater monitoring network including background well (MW-1) and detection monitoring wells MW-2, MW-3, MW-4, MW-5, and MW-6. There are currently four surface water sampling locations at the site, SW-1, SW-2, SW-3, and SW-4. The permitted landfill gas monitoring well network includes landfill gas monitoring points LFG-1 through LFG-8 installed quarterly by bar-hole punch method. Landfill gas point LFG-9 will be added to the LFG monitoring network for additional Phase 2A monitoring and landfill gas monitoring points LFG-10, LFG-11, and LFG-12 will be added to the landfill gas monitoring network for additional Phase 2B monitoring.

The Water Quality Monitoring Plan and Landfill Gas Monitoring Plan satisfy the requirements of 15A NCAC 13B .0544 *Monitoring Plans and Requirements for C&DLF Facilities*.

If you have any questions, please contact me at (919) 707-8254 or Christine.ritter@ncdenr.gov.

Sincerely,



Christine Ritter
Hydrogeologist
NC Solid Waste Section
Division of Waste Management

Cc: Ed Mussler, P.E., Permitting Branch Supervisor, NC SWS
Ming Chao, P.E., Environmental Engineer, NC SWS
Jason Watkins, NC SWS
Deb Aja, NC SWS
David Garrett, SCS Engineers